

| Installateur / Fachfirma      |  |                                     |  |
|-------------------------------|--|-------------------------------------|--|
| *Name<br>*Name                |  | *Ansprechpartner<br>*Contact person |  |
| *Straße<br>*street            |  | *Hausnummer<br>*House number        |  |
| *Postleitzahl<br>*Postal code |  | *Ort / Land<br>*City / country      |  |
| *Telefon<br>*Phone            |  | *E-Mail<br>*E-Mail                  |  |

| Abweichende Lieferanschrift / Different delivery address                                                                             |                                              |                                     |                                 |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------|---------------------------------|
| *Name<br>*Name                                                                                                                       |                                              | *Ansprechpartner<br>*Contact person |                                 |
| *Straße<br>*street                                                                                                                   |                                              | *Hausnummer<br>*House number        |                                 |
| *Postleitzahl<br>*Postal code                                                                                                        |                                              | *Ort<br>*City                       |                                 |
| *Telefon<br>*Phone                                                                                                                   |                                              | *E-Mail<br>*E-Mail                  |                                 |
| Bei angezeigtem Iso-Fehler, ist Riso Wert > 5 Mohm<br>In case of an insulation fault, is Riso value > 5 Mohm                         |                                              | Ja / Yes <input type="radio"/>      | Nein / No <input type="radio"/> |
| Wird das KOSTAL Solar Portal genutzt<br>Do you use the KOSTAL Solar Portal                                                           | Wenn ja,<br>Anlagenname?<br>If so, the plant | Ja / Yes <input type="radio"/>      | Nein / No <input type="radio"/> |
| Wird die RS-485 Schnittstelle genutzt (z.B. KSEM / externer Datenlogger)<br>Is the RS-485 interface used (e.g. external data logger) |                                              | Ja / Yes <input type="radio"/>      | Nein / No <input type="radio"/> |

|                                 |  |                                         |  |
|---------------------------------|--|-----------------------------------------|--|
| Ticket Nummer<br>Ticket Number  |  | *Datum<br>*Date                         |  |
| Kundenname<br>Customer name     |  |                                         |  |
| *Typ<br>*Model                  |  | *F/W Version<br>*F/W Version            |  |
| *Seriennummer<br>*Serial Number |  | Installationsdatum<br>Installation Date |  |

| *Pflichtangaben (DC-Beschaltung)                                                                                 |                                              | INFORMATION ZUR SOLARANLAGE / SOLAR ARRAY INFORMATION |                                             |                                                   |                                                               |                                      |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|---------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|--------------------------------------|
| CI 30: DC1-3 / DC 4-6<br>CI 50: DC2-4 / DC 6-8 / DC10-11 / DC 13-14<br>CI 60: DC2-4 / DC 6-8 / DC9-11 / DC 12-14 | Solar-Paneltyp<br>Make/Model of Solar Panels | Max. Leistung (W)<br>Total Power (W)                  | Modulspannung (VoC)<br>Module Voltage (Voc) | Anzahl der Panele/String<br>Panels in Each String | gemessene Stringsannung (VoC)<br>measured Stringvoltage (VoC) | Polarität geprüft<br>polarity checed |
| MPPT 1 - PV 1 (DC1 / DC2)                                                                                        |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 1 - PV 2 (DC2 / DC4)                                                                                        |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 1 - PV 3 (DC3 / DC4)                                                                                        |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 2 - PV 1 (DC4 / DC6)                                                                                        |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 2 - PV 2 (DC5 / DC7)                                                                                        |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 2 - PV 3 (DC6 / DC8)                                                                                        |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 3 - PV 1 (DC9)                                                                                              |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 3 - PV 2 (DC10)                                                                                             |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 3 - PV 3 (DC11)                                                                                             |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 4 - PV 1 (DC12)                                                                                             |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 4 - PV 2 (DC13)                                                                                             |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |
| MPPT 4 - PV 3 (DC14)                                                                                             |                                              |                                                       |                                             |                                                   |                                                               | <input type="checkbox"/>             |

| NETZ INFORMATION / GRID INFORMATION                   |                                          |   |                                                                  |
|-------------------------------------------------------|------------------------------------------|---|------------------------------------------------------------------|
| Elekt. Netzbedingungen<br>Electrical Grid Information | Netzspannung<br>Nominal Voltage of Grid  | V | Netzfrequenz<br>Nominal Frequency of Grid                        |
|                                                       | AC-Absicherung<br>AC-Breaker/Fuse Rating | A | Ländereinstellung (Ländercode)<br>Standard Code(Local Grid Code) |

| FEHLER INFORMATION / FAILURE INFORMATION               |                                                                                                                           |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| *Fehlerbeschreibung<br>*Description of Failure         |                                                                                                                           |
| *Fehlermeldung<br>*Error Message                       |                                                                                                                           |
| Fehlerhäufigkeit?<br>Frequency of errors?              |                                                                                                                           |
| Wann trat der Fehler aus?<br>When did the error occur? | Dämmerung/Dawn <input type="checkbox"/> Tagsüber/Daytime <input type="checkbox"/> Abends/Evening <input type="checkbox"/> |
|                                                        |                                                                                                                           |

| FEHLERSUCHE / EXAMINATIONS                                                                               |                                                         |    |                                         |   |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|-----------------------------------------|---|
| Fehlersuche<br>Basic Diagnostics                                                                         | Sicherungen i.O. /fuse i.O.?                            |    |                                         |   |
|                                                                                                          | AC /DC i.O.?                                            |    |                                         |   |
|                                                                                                          | Firmware-Update durchgeführt? Update F/W to the Latest? |    |                                         |   |
| Mechanische Probleme (Foto)<br>Mechanical Problem (photo?)<br>Bitte Datei anhängen<br>Please attach file |                                                         |    |                                         |   |
| Umgebungsbedingungen /<br>Montageort<br>Enviroment Information /<br>mounting location                    | Umgebungstemperatur<br>Ambient Temperature              | °C | Feuchtigkeit<br>Humidity                | % |
|                                                                                                          |                                                         |    |                                         |   |
| Weitere Informationen<br>Other information                                                               |                                                         |    |                                         |   |
| *Pflichtangaben<br>* Required to Fill                                                                    |                                                         |    | Unterschrift:<br>Signature of Examiner: |   |